Appl. No. 09/428,982 Amdt. Dated: 3-15-2004

Reply to Office Action of December 17, 2003

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (currently amended) An isolator mechanism for use with a housing having a bearing with lubricant in the housing and a shaft protruding through the housing, the isolator comprising:
- a) a stator affixed to the housing and closely surrounding the shaft; a rotor rotating with the shaft and encompassing said stator;
- b) said stator having a radial groove formed therein with the walls of said groove extending between said housing and said shaft;
 - c) the exterior surface of a first wall of said groove facing the interior of the housing;
- d) an axial hole in said first wall at the lower extremity of said first wall from said shaft connecting said groove to said housing.
- 2. (previously presented) An isolator accordance with Claim 1, wherein said radial groove is more then one-half the radial dimension of said stator.
- 3. (previously presented) An isolator accordance with Claim 1, wherein said hole in said first wall of stator includes a axially sloping surface connecting said radial groove to said housing.
- 4.(previously presented) An isolator accordance with Claim 3, wherein said hole and said sloping surface are elongated.
- 5.(previously presented) An isolator accordance with Claim 3, wherein said hole and said sloping surface are milled in said first wall.
- 6.(previously presented) An isolator accordance with Claim 1, wherein the inside diameter of said stator is proportional to the diameter of said shaft.
- 7. (previously presented) An isolator accordance with Claim 6, wherein the proportion of said stator to said shaft is 0.005 inches per inch of shaft diameter.

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- 8. (previously presented) An isolator accordance with Claim 4, wherein said hole and said sloping surface are elongated circumferentially.
- 9. (currently amended) An isolator mechanism for use with a housing having a bearing with lubricant in a housing and a shaft protruding through the housing, the isolator comprising:
- a) a stator affixed to the housing and closely surrounding the shaft; a rotor rotating with the shaft and encompassing said stator;
- b) said stator having a plurality of radial grooves formed therein with the walls of said grooves extending between said housing and said shaft;
- c) the exterior surface of the first wall of the first of said grooves facing the interior of the housing;
- d) an axial hole in said walls at the extremity of said walls from said shaft connecting said grooves to said eavity housing.
- 10. (previously presented) An isolator accordance with Claim 9, wherein said radial grooves are more than one-half the radial dimension of said stator.
- 11. (previously presented) An isolator accordance with Claim 10, wherein said hole in said walls of said stator include a sloping surface connecting said radial grooves to said housing.
- 12. (previously presented) An isolator accordance with Claim 11, wherein said hole and said sloping surface are elongated.
- 13.(previously presented) An isolator accordance with Claim 12, wherein said hole and said sloping surface are milled in said walls of said stator.
- 14. (previously presented) An isolator accordance with Claim 9, wherein the inside diameter of said stator is proportional to the shaft diameter.
- 15. (previously presented) An isolator accordance with Claim 14, wherein the proportion between said stator and said shaft is 0.005 inches per inch of shaft diameter.
- 16. (previously presented) An isolator accordance with Claim 12, wherein said hole in said stator is elongated circumferentially.
- 17-26 (canceled)